

 Maine State Supplement -2013-1 Ranking Period Conservation Stewardship Program (CSP) Job Sheet

PLT19 Maine State Supplement 2013-1

Herbicide resistant weed management

#2 -To meet the reduction in STIR value, the tillage intensity must be reduced and demonstrated by running the before and after scenario in RUSLE2. This may be accomplished different ways. Two methods might be use of reduced-till or no-till, or by including one full growing season of cover crop in the rotation.

#3 – See Mode of Action Chart, http://www.glyphosateweedscrops.org/Info/MOA_060807.pdf

#4 – Use of Residual Herbicides along with burn-down herbicides

From Cornell - "Resistance Management Strategy

Two-pass programs assure excellent weed control and provide the option of using herbicides with different sites-of-action than that of glyphosate products. In the long run, this herbicide resistance management strategy will go a long way in delaying or preventing development of glyphosate-resistant weed populations. "

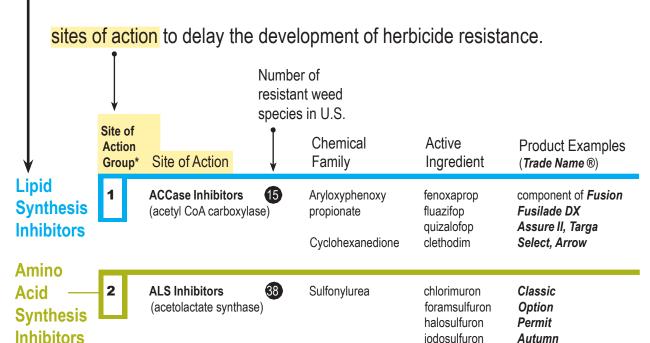
Corn and Soybean **Herbicide Chart**

Repeated use of herbicides with the same site of action can result in the development of herbicide-resistant weed populations.

This publication was designed for commercial printing, color shifts may occur on other printers and on-screeen.

By Mode of Action (effect on plant growth)

This chart groups herbicides by their modes of action to assist you in selecting herbicides 1) to maintain greater diversity in



iodosulfuron

nicosulfuron

Autumn

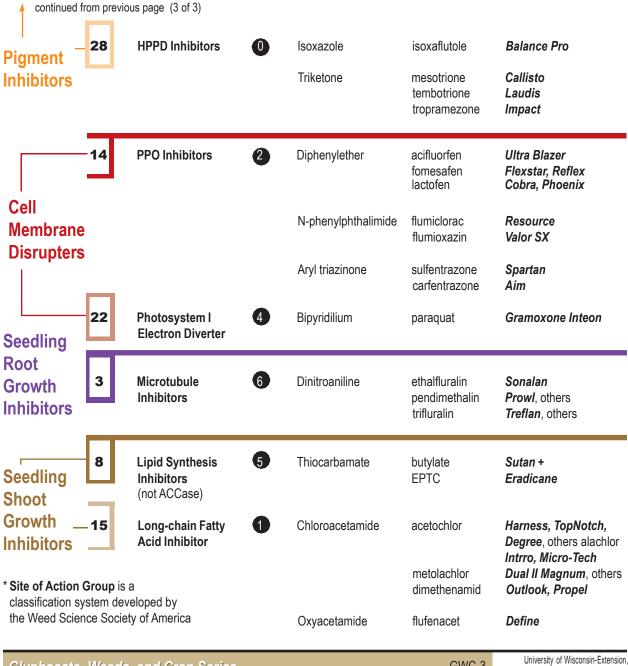
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By Premix

This chart lists premix herbicides alphabetically by their trade names so you can identify the premix's component herbicides and their respective site of action groups. Refer to the **Mode of Action** chart for more information.

_	Component			
		Component	Site of	
Premix	Trade	Active	Action	
Trade Name ®	Name ®	Ingredient	Group*	
Authority First	Spartan	sulfentrazone	14	
	FirstRate	cloransulam	2	
Axiom	Define	flufenacet	15	
	Sencor	metribuzin	5	
Basis		rimsulfuron	2	
	Harmony GT	thifensulfuron	2	
Bicep II Magnum	Dual II Magnum	s-metolachlor	15	
	AAtrex	atrazine	5	
Bicep Lite II Magnum	•	s-metolachlor	15	
	AAtrex	atrazine	5	
Boundary	Dual Magnum	s-metolachlor	15	
Breakfree ATZ	Breakfree	acetochlor	15	
	atrazine	atrazine	5	
Breakfree ATZ Lite	Breakfree	acetochlor	15	
	atrazine	atrazine	5	
Buctril + Atrazine	Buctril	bromoxynil	6	
	atrazine	atrazine	5	
Bullet	Micro-Tech	alachlor	15	
	atrazine	atrazine	5	
Camix	Callisto	mesotrione	28	
	Dual II Magnum	s-metolachlor	15	
Canopy DF	Classic	chlorimuron	2	
	Sencor	metribuzin	5	
Canopy EX	Classic	chlorimuron	2	
	Express	tribenuron	2	
Celebrity Plus	diflufenzopyr	diflufenzopyr	19	
	Clarity	dicamba	4	
Cinch ATZ			15	
	AAtrex	atrazine	5	
Cinch ATZ Lite	-		15	
	AAtrex	atrazine	5	

Amino Acid Synthesis	ious page (2 of 3)		primisulfuron prosulfuron rimsulfuron thifensulfuron tribenuron	Beacon component of Spirit Resolve Harmony GT Express	Distinct	. Degree atrazine . diflufenzopyr Clarity	acetochlor atrazine diflufenzopyr dicamba	15 5 19
Inhibitors		Imidazolinone	imazamox imazaquin imazethapyr	Raptor Scepter Pursuit	Domain	Define Sencor Option Autumn	flufenacet metribuzin foramsulfuron iodosulfuron	15 2 2 2
1 _		Triazoloyrimidine	flumetsulam cloransulam	Python FirstRate	Expert			15 5 9
9	EPSP Synthase 7 Inhibitor (5-enolpyruvyl-shikimate-3-ph	None accepted osphate)	glyphosate	Roundup, Touchdown, others	Field Master	glyphosate . Harness atrazine	glyphosate acetochlor atrazine	9 15 5
4	Specific site unknown	Phenoxy	2,4-D	Weedone, others	FulTime	glyphosate . TopNotch	glyphosate acetochlor	15
Growth		Benzoic acid	dicamba	Banvel, Clarity	Fusion	atrazine . Fusilade DX	atrazine fluazifop	1
(Synthetic auxins)			fluroxypyr	Starane	Gangster	. Valor FirstRate	flumioxazin cloransulam	14 2
19	Auxin Transport 0	Semicarbazone	diflufenzopyr	component of <i>Distinct</i>	Guardsman Max	atrazine . Outlook	atrazine dimethenamid-P	5 15
Photo-	Photosystem II Inhibitors (different binding than 6 & 7)	Triazine Triazinone	atrazine simazine metribuzin	AAtrex. others Princep Sencor	Harness Xtra	. Harness atrazine . Stinger	acetochlor atrazine clopyralid	15 5 4
synthesis— 6	Photosystem II Inhibitors	Nitrile	bromoxynil	Buctril, others	Keystone	Python . Surpass	flumetsulam acetochlor	15
Inhibitors	(different binding than 5 & 7)	Benzothiadiazole	bentazon	Basagran	Keystone LA	atrazine . Surpass atrazine	atrazine acetochlor atrazine	5 15 5
7	Photosystem II Inhibitors (different binding that	Ureas n 5 & 6)	linuron	Lorox, Linex	Laddok	. Basagran atrazine	bentazon atrazine	6
Nitrogen Metabolism	Glutamine Synthesis 0 Inhibitor	None accepted	glufosinate	Liberty	Lightning	. Callisto Dual II Magnum AAtrex	atrazine	28 15 5
Pigment 13	Diterpene Synthesis () <i>Inhibitor</i>	Isoxazolidinone	clomazone	Command	Lightning	. Pursuit . Callisto Dual II Magnum	imazethapyr mesotrione s-metolachlor	28 15
Inhibitors					Marksman	Aatrex . Banvel atrazine	atrazine dicamba atrazine	5
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Glyphosate	, Weeds,	and Cro	p Series
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NorthStar	Beacon Clarity	primisulfuron dicamba	2
Parallel Plus	•	metolachlor	15
	atrazine	atrazine	5
Priority		carfentrazone	14
	Permit	halosulfuron	2
Prefix		s-metolachlor	15
	Reflex	fomesafen	14
Pursuit Plus		imazethapyr	2
	Prowl	pendimethalin	3
Radius		flufenacet	15
	Balance Pro	isoxaflutole	28
Sequence		s-metolachlor	15
	glyphosate	glyphosate	9
Shotgun		atrazine	5
	Salvo	2,4-D	4
Sonic		sulfentrazone	14
	FirstRate	cloransulam	2
	Beacon	primisulfuron	2
Stalwart Xtra		metolachlor	15
	atrazine	atrazine	5
Status	diflufenzopyr	diflufenzopyr	19
	Clarity	dicamba	4
Steadfast		nicosulfuron	2
	Resolve	rimsulfuron	2
Steadfast ATZ	Accent	nicosulfuron	2
	Resolve	rimsulfuron	2
	atrazine	atrazine	5
Stout	Accent	nicosulfuron	2
	Harmony GT	thifensulfuron	2
SureStart		acetochlor	15
	Stinger	clopyralid	4
	Python	flumetsulam	2
Synchrony	. Classic	chlorimuron	2
•	Harmony GT	thifensulfuron	2
Valor XLT	Valor	flumioxazin	14
	Classic	chlorimuron	2
Volley ATZ	Volley	acetochlor	15
-	atrazine	atrazine	5
Volley ATZ Lite	Volley	acetochlor	15
-	atrazine	atrazine	5
Yukon	Banvel	dicamba	4
	Permit	halosulfuron	2
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